

AMENDMENTS

In the Claims:

Please cancel claims 7-17, 21, 24, and 25 without prejudice, amend claims 1, 5, 6, 18, 20, and 22, and add new claims 26-28 as follows. The changes in the amended claims are shown by underlining (for added matter) and strikethrough (for deleted matter). All the pending claims are reproduced below.

1. (currently amended) A method for remotely monitoring for repair a plurality of grinder pump stations at a plurality of different first locations, the method comprising:

obtaining data regarding the plurality of grinder pump stations at the first locations;

transferring the data from the first locations via a communications network to a central computing unit at a second location different from the first locations; and

at least one of a) wherein the data comprises data regarding maintenance warnings ~~for~~ predicting failure of at least one of the plurality of grinder pump stations prior to failure, and b) wherein the data comprises data regarding the operation of the plurality of grinder pump stations and further comprising determining, at the central computing unit maintenance warnings ~~for~~ predicting failure of at least one of the plurality of grinder pump stations prior to failure.

2. (previously presented) The method of claim 1 wherein the transferring comprises accessing the data at the first locations using the central computing unit.

3. (original) The method of claim 1 wherein the transferring comprises automatically transmitting the data from the first locations via the communications network to the central computing unit.

4. (original) The method of claim 1 wherein the communications network comprises a telephone line and further comprising allowing a homeowner use a telephone by overriding the transfer of data over the telephone line to the central computing unit.

5. (currently amended) The method of claim 1 further comprising comparing an operating parameter of the plurality of grinder pump stations over time to determine the maintenance warnings predicting failure of the at least one of the plurality of grinder pump stations prior to failure.

6. (currently amended) The method of claim 1 further comprising comparing an operating parameter of the plurality of grinder pump stations to a predetermined criteria to determine the maintenance warnings predicting failure of the at least one of the plurality of grinder pump stations prior to failure.

Claims 7-17. (canceled)

18. (currently amended) ~~A method for transmitting information over a high voltage alternating current line, the method comprising:~~

~~receiving data at a first location;~~

The method of claim 1 wherein the obtaining data comprises:

modulating the a voltage of an alternating current line at the a first ~~location~~ position to generate a series of pulses corresponding to the information data;

detecting the series of pulses in the high voltage line at a second ~~location~~ position different from the first ~~location~~ position; and

determining the data at a the second ~~location~~ position based on the series of pulses.

19. (original) The method of claim 18 wherein the modulating comprises amplitude modulation.

20. (currently amended) The method of claim 18 wherein the receiving the data at ~~a first location~~ the first position comprises receiving data ~~regarding operation of~~ at a grinder pump, and the determining the data at the second ~~location~~ position comprises determining the data at an alarm panel.

21. (canceled)

22. (currently amended) The method of claim 1 further comprising repairing the at least one of the plurality of grinder pump stations in response to the maintenance warnings predicting failure of the at least one of the plurality of grinder pump stations prior to failure.

23. (previously presented) The method of claim 1 wherein the data comprises data regarding the grinder pump.

24. (canceled)

25. (canceled)

26. (new) The method of claim 1 wherein the data comprises the data regarding maintenance warnings predicting failure of the at least one of the plurality of grinder pump stations prior to failure.

27. (new) The method of claim 1 wherein the data comprises the data regarding the operation of the plurality of grinder pump stations, and the determining, at the central computing unit maintenance warnings predicting failure of the at least one of the plurality of grinder pump stations prior to failure.

28. (new) The method of claim 1 wherein the data comprises the data regarding maintenance warnings predicting failure of the at least one of the plurality of grinder pump stations prior to failure, and the data regarding the operation of the plurality of grinder pump stations and the determining, at the central computing unit maintenance warnings predicting failure of at least one of the plurality of grinder pump stations prior to failure.

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